

CONTROLLER AND TRANSCEIVER EMPLOYABLE IN A
WIRELESS COMMUNICATIONS NETWORK

ABSTRACT OF THE DISCLOSURE

The present invention provides a controller for use with a transceiver in a wireless communications network. In one embodiment, the controller includes a sensing system that senses, perhaps periodically, at least one characteristic associated with at least two channels of the wireless communications network. The controller further includes a modification system that updates channel information in a channel information table associated with the at least two channels based on the at least one characteristic. The controller still further includes a selection system that selects channels in accordance with the channel information.